

Anti-TRAF2 (RABBIT) Antibody - 600-401-B27

Code: 600-401-B27

Size: 100 µg

Product Description: Anti-TRAF2 (RABBIT) Antibody - 600-401-B27

Concentration: 0.93 mg/mL by UV absorbance at 280 nm

PhysicalState: Liquid (sterile filtered)

Label	Unconjugated
Host	Rabbit
Gene Name	TRAF2
Species Reactivity	human, mouse
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer	None
Preservative	0.01% (w/v) Sodium Azide
Storage Condition	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Synonyms	rabbit anti-TRAF2 antibody, E3 ubiquitin-protein ligase TRAF2, RING-type E3 ubiquitin transferase TRAF2, TNF receptor associated factor 2 antibody, TRAF-2, TRAF 2 antibody, TRAP-3, TRAP 3 antibody, TRAP3 antibody, Tumor necrosis factor type 2 receptor associated protein 3 antibody
Application Note	Rabbit Anti-TRAF2 Antibody has been testing in ELISA and Western Blot. Positive control HeLa Whole Cell lysate (p/n W09-000-364) expect ~47kDa. Specific conditions for reactivity should be optimized by the end user.
Background	TRAF2, or Tumor Necrosis factor (TNF) Receptor-Associated Factor 2, is an adapter protein and signal transducer that links members of the tumor necrosis factor receptor family to different signaling pathways by association with the receptor cytoplasmic domain and kinases. Association to the receptor is also mediated by the interaction with TRADD. TRAF2 mediates activation of NF-kappa-B and MAPK8/JNK and is involved in apoptosis. TRAF2 forms a heterodimeric complex with TRAF1, which then recruits the inhibitor-of-apoptosis proteins (IAPs), apoptotic suppressors BIRC2 and BIRC3 to TNFRSF1B/TNFR2 for the inhibition of caspase activation. In this way it functions as a mediator of the anti-apoptotic signals from TNF receptors. BIRC2/c-IAP1, an apoptosis inhibitor possessing ubiquitin ligase activity, can ubiquitinate and induce the degradation of this protein, and thus potentiate TNF-induced apoptosis. TRAF2 may be involved in IL-15 signaling. Multiple alternatively spliced transcript variants exist, but the biological validity of only one transcript has been determined.
Purity And Specificity	This affinity purified antibody is directed against human TRAF2 protein. The product was affinity purified from monospecific antiserum by immunoaffinity chromatography. This antibody is predicted to react with TRAF2 from human and mouse sources based on a 100% homology with the immunizing sequence. Reactivity with TRAF2 from other sources has not been determined.
Assay Dilutions	User Optimized
ELISA	1:60,000 - 1:250,000
Western Blot	1 µg/mL
IF Microscopy	user optimized
Other Assays	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region human TRAF2.
General Reference	Li S., Wang L., Berman M., Zhang Y., and Dorf M. (2006) RNAi Screen in Mouse Astrocytes Identifies Phosphatases that Regulate NF-B Signaling. Mol Cell. Nov 17; 24:497-509.
Related Products	

200-301-268

Anti-AKT pS473 (MOUSE) Monoclonal Antibody - 200-301-268

610-4302	Anti-MOUSE IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 610-4302
611-1302	Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302
B304	NORMAL GOAT SERUM (NGS) - B304

Related Links

UniProtKB - Q12933

<http://www.uniprot.org/uniprot/Q12933>

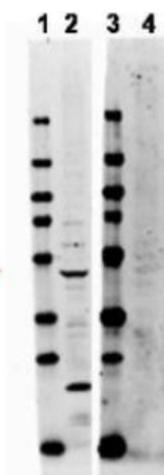
NCBI - 22027612 <http://www.ncbi.nlm.nih.gov/protein/22027612>

GeneID - 7186

Images

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Western blot using Rockland's affinity purified anti-TRAF2 antibody shows detection of endogenous TRAF2 in whole HeLa cell lysates. Lane 2 shows endogenous TRAF2 detected with antibody at 47 kDa (arrowhead). Lane 4 shows no reactivity when blot is incubated with immunizing peptide. The identity of lower molecular weight band in lane 2 is unknown. Briefly, each lane contains approximately 14 µg of lysate. Membranes were blocked in 3% BSA-TBS 30 min. at room temperature. Primary antibody was used at a 1:500 dilution in 3% BSA-TBS and reacted overnight at 4°C. The membrane was washed and reacted with a 1:20,000 dilution conjugated Gt-a-Rabbit DyLight 649 (611-143-122) for 1 hr at room temperature. Molecular weight estimation was made by comparison to prestained MW markers in lanes 1 and 3. Fluorescence image was captured using the VersaDoc® Imaging System developed by Bio-Rad.



Disclaimer

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